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#10 Search #6 and drug design

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#9 Search #6 and drug

09:43:58 284

#8 Search #6 and structure and crystal

09:43:42 4

#7 Search #6 and structure

09:43:03 28

#6 Search #1 and inhibitor

09:42:52 351

#4 Search #3 and ligand

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#3 Search PDE5 and structure

09:39:13 83

#2 Search PDE5 and crystal

09:39:07 8

#1 Search PDE5

09:38:56 671

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DATE: Friday, February 16, 2007

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		<i>DB=USPT; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L5	L1 and (Artis\$ or Bollag\$ or Card\$ or Milburn\$ or Zhang\$).in.	0
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L4	L3 and ligand design	5
<input type="checkbox"/>	L3	L2 and drug	564
<input type="checkbox"/>	L2	L1 and crystal\$	598
<input type="checkbox"/>	L1	PDE5	1107

END OF SEARCH HISTORY

STN
10771833

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(FILE 'HOME' ENTERED AT 09:49:10 ON 16 FEB 2007)

FILE 'CAPLUS' ENTERED AT 09:53:29 ON 16 FEB 2007

L1 13 S PDE5 AND LIGAND
L2 822 S PDE5
L3 24 S L2 AND CRYSTAL?
L4 4 S L1 AND L3

=> d L4 1-4

L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2006:898399 CAPLUS
DN 145:391332
TI Characterization of a catalytic ligand bridging metal ions in
phosphodiesterases 4 and 5 by molecular dynamics simulations and hybrid
quantum mechanical/molecular mechanical calculations
AU Xiong, Ying; Lu, Hai-Ting; Li, Yongjian; Yang, Guang-Fu; Zhan, Chang-Guo
CS Key Laboratory of Pesticide & Chemical Biology of Ministry of Education,
College of Chemistry, Central China Normal University, Wuhan, 430079,
Peop. Rep. China
SO Biophysical Journal (2006), 91(5), 1858-1867
CODEN: BIOJAU; ISSN: 0006-3495
PB Biophysical Society
DT Journal
LA English
RE.CNT 78 THERE ARE 78 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2005:1004271 CAPLUS
DN 143:301346
TI Crystal structures of human PDE5 and ligand
complexes and their use in the design or screening of PDE5
inhibitors for medical use
IN Brown, David Graham; Groom, Colin Roger; Hopkins, Andrew Lee; Jenkins,
Timothy Mark; Kamp, Sarah Helen; O'Gara, Margaret Mary; Ringrose, Heather
Joan; Robinson, Colin Mark; Taylor, Wendy Elaine
PA Pfizer Inc., USA
SO U.S. Pat. Appl. Publ., 192 pp., Cont.-in-part of U.S. Ser. No. 415,839.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005202549	A1	20050915	US 2004-837081	20040430
	WO 2003038080	A1	20030508	WO 2002-IB4426	20021024
	US 2004082052	A1	20040429	US 2003-427222	20030501
	US 2007015205	A1	20070118	US 2003-415839	20031027
PRAI	GB 2001-26417	A	20011102		
	WO 2002-IB4426	A	20021024		
	GB 2003-10058	A	20030501		
	US 2003-427222	A2	20030501		
	US 2003-415839	A2	20031027		

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2004:965396 CAPLUS
DN 141:391042
TI Crystal structures of human phosphodiesterase 5 and its

ligand complex and their use in screening for inhibitor
 IN Brown, David Graham; Groom, Colin Roger; Hopkins, Andrew Lee; Jenkins, Timothy Mark; Kamp, Sarah Helen; O'Gara, Margaret Mary; Ringrose, Heather Joan; Robinson, Colin Mark; Taylor, Wendy Elaine
 PA Pfizer Limited, UK; Pfizer Inc.
 SO PCT Int. Appl., 250 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004097010	A1	20041111	WO 2004-IB1332	20040421
	CA 2522472	A1	20041111	CA 2004-2522472	20040421
	EP 1623026	A1	20060208	EP 2004-728609	20040421
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
	BR 2004009931	A	20060425	BR 2004-9931	20040421
	JP 2006525801	T	20061116	JP 2006-506553	20040421
PRAI	GB 2003-10058	A	20030501		
	WO 2004-IB1332	W	20040421		

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2003:356596 CAPLUS

DN 138:364748

TI Crystal structures of human phosphodiesterase 5 and its ligand complex and their use in the design of site-directed mutants and design or screening of inhibitor compounds

IN Brown, David Graham; Groom, Colin Roger; Hopkins, Andrew Lee; Jenkins, Timothy Mark; Kamp, Sarah Helen; O'Gara, Margaret Mary; Ringrose, Heather Joan; Robinson, Colin Mark; Taylor, Wendy Elaine

PA Pfizer Limited, UK; Pfizer Inc.

SO PCT Int. Appl., 442 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003038080	A1	20030508	WO 2002-IB4426	20021024
	CA 2478059	A1	20030508	CA 2002-2478059	20021024
	BR 2002013717	A	20040831	BR 2002-13717	20021024
	EP 1468082	A1	20041020	EP 2002-775155	20021024
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
	CN 1585821	A	20050223	CN 2002-826652	20021024
	US 2004082052	A1	20040429	US 2003-427222	20030501
	US 2007015205	A1	20070118	US 2003-415839	20031027
	IN 2004DN01102	A	20060512	IN 2004-DN1102	20040423
	ZA 2004003198	A	20051118	ZA 2004-3198	20040428
	US 2005202549	A1	20050915	US 2004-837081	20040430
PRAI	GB 2001-26417	A	20011102		
	WO 2002-IB4426	W	20021024		
	GB 2003-10058	A	20030501		
	US 2003-427222	A2	20030501		
	US 2003-415839	A2	20031027		

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